



10-17-03

7645-
Docket
1300

EXPRESS MAIL CERTIFICATE OF MAILING
10/15/03 982102136-US

Date 10/15/03 Label No. _____
I hereby certify that, on the date indicated above, this paper or fee was deposited with the U.S. Postal Service & that it was addressed for delivery to the Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 by 'Express Mail Post Office to Addressee' service.

PLEASE CHARGE ANY DEFICIENCY UP TO \$500.00 OR CREDIT ANY EXCESS IN THE FEES DUE WITH THIS DOCUMENT TO OUR DEPOSIT ACCOUNT NO. 04 - 0100

D. DAVIS
Name (Print)

[Signature]
Signature

Customer No.: 07278

Docket No.: 02313/100H587-US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Te Piao KING and Michael Dho SPANGFORT

Serial No.: 10/091,135

Confirmation No.: 5158

Art Unit: 1645

Filed: March 4, 2002

Examiner: TBA

For: **RECOMBINANT HYBRID ALLERGEN CONSTRUCTS WITH REDUCED ALLERGENICITY THAT RETAIN IMMUNOGENICITY OF THE NATURAL ALLERGEN**

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

In order to comply with 37 CFR 1.97 and 1.98, attached hereto is a copy of form PTO/SB/08 (Substitute for Form PTO-1449) and copies of the documents listed thereon.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each document cited (including any cited in applicant's specification which is not repeated on the attached form PTO/SB/08) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing form PTO/SB/08 next to the document. Such initialing is requested even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been

fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application.

This submission is believed to be filed before a first action on the merits has been mailed.

The present Information Disclosure Statement is being submitted in compliance with 37 CFR 1.56, but the citation of such document is not to be construed as an admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated that the Examiner, in the normal course of examination, will make an independent search and will determine the best prior art consistent with 37 CFR 1.104(a) and in the course of each search, will review for relevance every document cited on the attached form even if not initialed.

It is believed that no fee is due. However, if the Commissioner determines that a fee is due, the Commissioner is hereby authorized to charge Deposit Account No. 04-0100 for any deficiency.

Early and favorable consideration is earnestly solicited.

Respectfully submitted,

Dated: October 15, 2003



Mitchell Bernstein, Ph.D.
Registration No. 46,550
Agent for Applicant(s)

DARBY & DARBY
Post Office Box 5257
New York, NY 10150-5257
(212) 527-7700



PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/091,135	
			Filing Date	March 4, 2002	
			First Named Inventor	T.P. KING	
			Art Unit	1645	
			Examiner Name	TBA	
Sheet	1	of	2	Attorney Docket Number	02313/100H587-US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1.	Monsalve, R.I., A. Kagey-Sobotka, L.M. Lichtenstein, and T.P. King (1999), "Allergenicity of Hybrid Ag5s of Yellowjacket and Paper Wasp Venoms," <i>J. Allergy Clin. Immunol.</i> 103(1) Part 2:S181.	
	2.	Monsalve, R.I., A. Kagey-Sobotka, L.M. Lichtenstein, and T.P. King (2000), "Allergenicity of Hybrid Ag5s of Yellowjacket and Paper Wasp Venoms," 23 rd CIA Symposium; Hakone, Japan, May 18-23, 2000.	
	3.	King, T.P., A. Kagey-Sobotka, S. Jim, R.I. Monsalve, L.M. Lichtenstein, and M.D. Spangfort (2001), "Allergenicity of Hybrid Ag5s of Yellowjacket and Paper Wasp Venoms," <i>Intl. Arch. Allergy Immunol.</i> 124:85-86.	
	4.	Thorsted, P.B., J. Holm, G.K. Koed, R.I. Monsalve, T.P. King, M. Gajhede, M.D. Spangfort and A. Henriksen (2000), "Structural analysis and mapping of IgE-binding epitopes on vespid venom allergen Ves v 5," <i>J. Allergy Clin. Immunol.</i> 105:S330.	
	5.	King, T.P., A. Kagey-Sobotka, S. Jim, R.I. Monsalve, L.M. Lichtenstein, and M.D. Spangfort (2001), "Recombinant allergens with reduced allergenicity but retaining immunogenicity of the natural allergens: hybrids of yellow jacket and paper wasp venom allergen 5s," <i>J. Immunol.</i> 166:6057-6065.	
	6.	Henriksen, Anette, Te P. King, Osman Mirza, Rafaél I. Monsalve, Kåre Meno, Henrik Ipsen, Jergen N. Larsen, Michael Bajhede, and Michael D. Spangfort (2001), "Major Venom Allergen of Yellow Jackets, Ves v 5: Structural Characterization of a Pathogenesis-Related Protein Superfamily," <i>PROTEINS: Structure, Function, and Genetics</i> 45:438-448.	
	7.	Monsalve, R.I., G. Lu and T.P. King (1999), "Expression of yellow jacket and wasp venom Ag5 allergens in bacteria and in yeast," <i>Arb. Paul Ehrlich Inst.</i> 93:181-188.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--



PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/091,135
				Filing Date	March 4, 2002
				First Named Inventor	T.P. KING
				Art Unit	1645
				Examiner Name	TBA
Sheet	2	of	2	Attorney Docket Number	02313/100H587-US1

	8.	Monsalve, Rafael I., Gang Lu and Te Piao King (1999), "Expressions of Recombinant Venom Allergen, Antigen 5 of Yellowjacket (<i>Vespula vulgaris</i>) and Paper Wasp (<i>Polistes annularis</i>), in Bacteria or Yeast," <i>Protein Expression and Purification</i> 16:410-416.	
--	----	---	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--